

California Public Utilities Commission (CPUC)
Grid Modernization Investment Framework Workshop (DRP Track 3 Sub-Track 2)
Tuesday, January 24, 2017 – CPUC Auditorium, 9:30 AM – 4:00 PM PST
505 Van Ness Avenue, San Francisco, CA 94102

Remote Participation Information

Conference Phone Line: 866-830-4003

Participant Passcode: 986 9619

CPUC Guest Wi-Fi Information:

SSID: CPUCGUEST

Username: guest

Guest Password for January: cpuc123016

WebEx Information:

<https://van.webex.com/van/j.php?MTID=m737ade4753861ef36edaef4688506175>

Meeting number: 747 571 901

Meeting password: !Energy1

Workshop Objectives

1. Primary Objective: Inform the development of a Commission framework to evaluate grid-modernization investments that are primarily aimed at increasing DER penetration, integration and value maximization;
2. Identify the essential Distributive Energy Resources (DERs)-related grid functions that may be needed and the specific technologies that can provide those functions;
3. Help the Commission distinguish between Grid Modernization investments that are primarily driven by the need to accommodate or control DERs and investments that are primarily driven by the goals of advancing safety, reliability, and resiliency generally;
4. Identify the type of information a utility must provide to the Commission in order to justify the necessity and cost-effectiveness of a proposed DER-related grid modernization investment; and
5. Discuss options for integrating a Grid Modernization investment framework into the Distribution Resource Plan (DRP) cycle and General Rate Cases.

AGENDA

9:30 – 9:40 **Introduction; Safety Message; Context and Purpose** – Energy Division

9:40 – 9:55 **Presentation** – Joseph Paladino (U.S. Department of Energy) & Paul De Martini (Newport Consulting Group)

9:55 – 10:15 **Grid Modernization Staff Presentation** – Energy Division

10:15 – 10:30 **Q & A**

10:30 – 12:55 **PANEL 1 – DEFINING GRID MODERNIZATION FOR THE DRP PROCEEDING AND IDENTIFYING DER-RELATED TECHNOLOGIES FOR GRID MODERNIZATION**

This panel will address workshop objectives 1, 2, and 3. It will discuss the current state of the electric grid and what types of technologies may be required to enable integration of a diverse portfolio of DERs versus technologies that are used to maintain or enhance grid reliability, safety, resiliency, and security. This panel will also determine which technologies, if any, are location-specific. The panel will also discuss the benefits of location-specific and system-wide Grid Modernization technologies.

Presentations

10:30 – 11:30 Mark Esguerra (PG&E); Erik Takayesu (SCE); Will Speer (SDG&E)

11:30 – 11:35 **BREAK**

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11:35 – 12:35 Thomas Williams (CAISO); Byron Flynn (GE); Kevin Joyce (SolarCity); Dennis Stephens (TURN)

12:35 – 12:55 Q & A on Presentations

12:55 – 1:50 LUNCH

1:50 – 3:45 PANEL 2 – CONSIDERATIONS FOR GRID MODERNIZATION INVESTMENTS AND FRAMEWORK DEVELOPMENT

This panel will address workshop objectives 4 and 5. It will consider the type of information a utility must provide the Commission in order to justify the necessity and cost-effectiveness of a proposed DER-related grid modernization investment. The panel will also discuss options for integrating a Grid Modernization investment framework into the DRP cycle and General Rate Cases.

Presentations

1:50 – 2:50 Nick Moran (PG&E); Brandon Tolentino (SCE); Will Speer (SDG&E); Thomas Roberts (ORA)

2:50 – 2:55 BREAK

2:55 – 3:25 Marcel Hawiger (TURN); Sahm White (Clean Coalition)

3:25 – 3:45 Q & A on Presentations

3:45 – 4:00 Closing – Energy Division

DISCUSSION QUESTIONS TO CONSIDER FOR Q&A SESSIONS

Panel 1

1. What types of technologies and associated grid capabilities should be prioritized in the short term and the long term?
2. Are some types of grid modernization technologies equally beneficial to DER-related objectives and other objectives such as general safety and reliability?
3. Which technologies should be applied on a location-specific basis and which should be applied system-wide?

Panel 2

1. What information is needed to justify the necessity and cost-effectiveness of grid modernization investments?
2. What process and role should the DRP include for utilities and stakeholders to identify and propose grid modernization investments?
3. How should DRP Grid Modernization activities interact with the GRC process?

Other Information: The contact persons for this workshop are Jeffrey Kwan and Jose Aliaga-Caro from the Commission's Energy Division. They can be reached at Jeffrey.Kwan@cpuc.ca.gov and Jose.Aliaga-Caro@cpuc.ca.gov. For general inquiries on the Distributed Resources Plan proceeding, please contact Marc Monbouquette at Marc.Monbouquette@cpuc.ca.gov.